

The Wetted Perimeter Method

- Developed by the State of Montana
- Implemented by the USFS in accordance with established methods.

Steps taken by USFS to ensure proper implementation of Montana's Wetted Perimeter method

Crew Training

Site Selection

Measurements

DNRC coordination

Analysis

Application Preparation

Why Wetted Perimeter is important to the health of the fishery?

- Keeps riffles wet for food production
- Retains flow in critical winter period
- Provides cover in resting and holding areas (stream margins/ riparian areas)

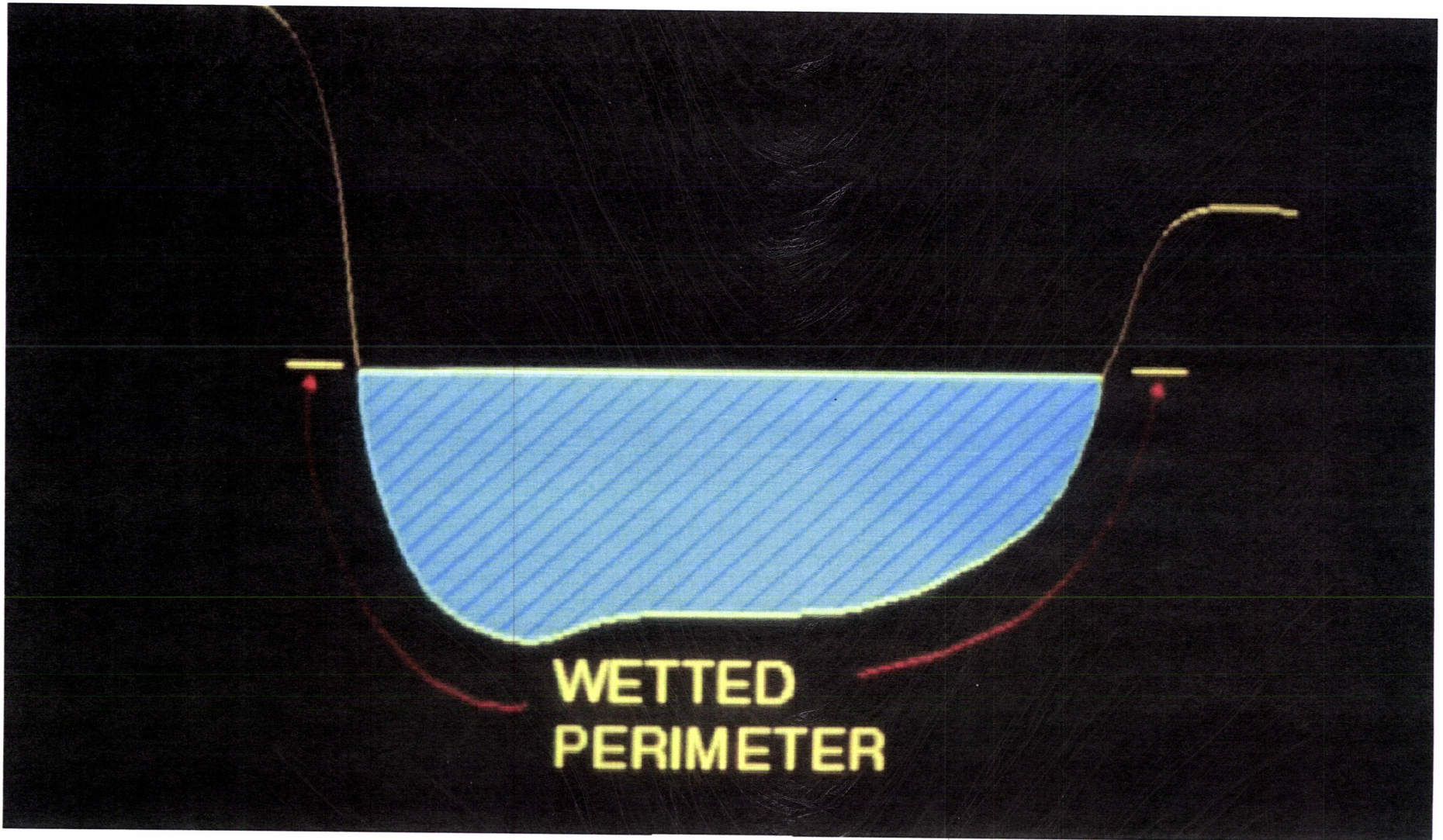


Figure 1

USDA Forest Service- Region 1
Blodgett Creek Water Reservation for Instream Flow
10 (c) 4 Wetted Perimeter Graph for Combined Transects 3, 4 & 5

Relationship between wetted perimeter and flow
Data collected 6/25/07, 7/23/07, and 8/13/07 by Watershed HydroTech: Brassfield, Geffre, Rokosch
Analysis conducted by Jed Simon, Program Manager, R1 Water Team

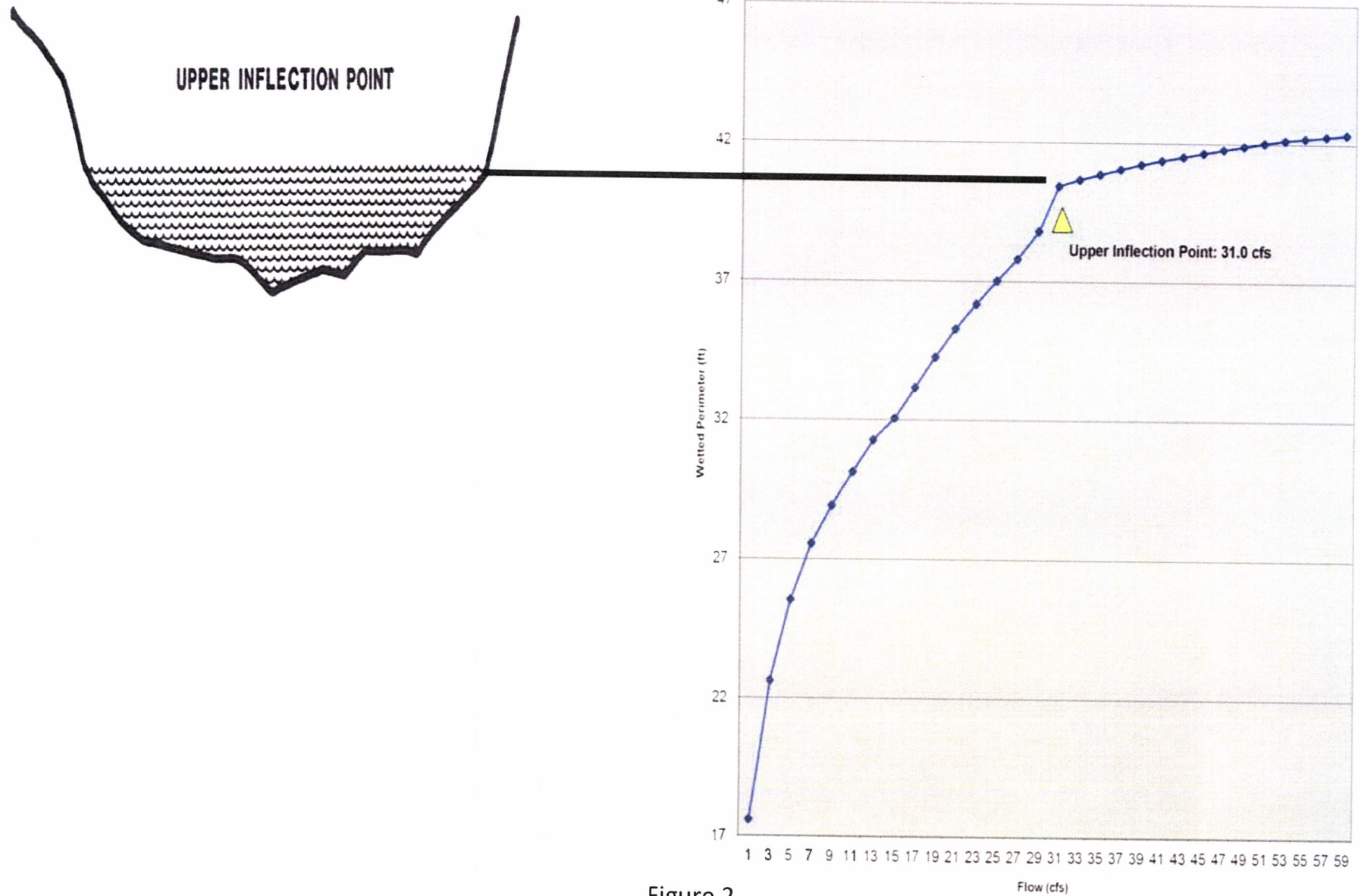


Figure 2